



**West Virginia Purchasing
Division**

CEO1 1400 AGR1800000004
WVDA Lab Engineering/Evaluation
Assessment Project

July 12, 2018

EXPRESSION OF INTEREST



07/10/18 10:13:43
WV Purchasing Division
Project Delayed

think **Alpha** first.com



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 461054

Doc Description: WVDA Lab Engineering/Evaluation Assessment Project

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-12	2018-07-12 13:30:00	CEOI 1400 AGR1800000004	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Alpha Associates, Inc
 209 Prairie Ave.
 Morgantown, WV 26501
 304-296-8216




Richard A. Colebank, PE, PS
 President and COO
 rick.colebank@thinkAlphafirst.com

209 Prairie Avenue / Morgantown, WV 26501
 304.296.8216 ext. 102 / 304.216.8324 mobile / 304.296.8216 fax

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet
 (304) 558-2596
 guy.l.nisbet@wv.gov

Signature:  FEIN # 550516286 DATE 7/9/18

All offers subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Richard A. Colebank, President & COO

(Name, Title)



(Printed Name and Title)

209 Prairie Ave, Morgantown, WV 26501

(Address)

304-296-8216/ 304-296-8245

(Phone Number) / (Fax Number)

rick.colebank@thinkalphafirst.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Alpha Associates, Inc

(Company)



(Authorized Signature) (Representative Name, Title)

Richard A. Colebank, President & COO

(Printed Name and Title of Authorized Representative)

7/9/18

(Date)

304-296-8216/ 304-296-8245

(Phone Number) (Fax Number)

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Alpha Associates, Inc Address: 209 Prairie Ave, Morgantown, WV 26501

Authorized Agent: Richard A. Colebank Address: _____

Contract Number: CEOI 1400 AGR1800000004 Contract Description: WVDA Lab Engineering/Evaluation Assessment Project

Governmental agency awarding contract: West Virginia Purchasing Division

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Richard A. Colebank
Richard W. Klein

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature] Date Signed: 7/9/18

Notary Verification

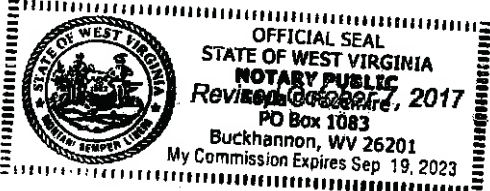
State of West Virginia, County of Upshur:

I, Kayla Faceemire, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 9th day of July, 2018.

[Handwritten Signature]
Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Alpha Associates, Inc

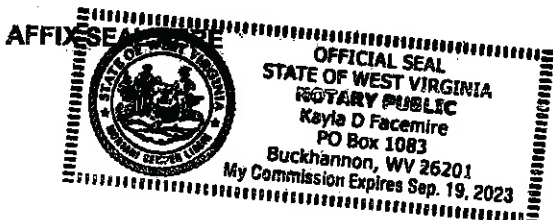
Authorized Signature:  Date: 7/9/18

State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 9th day of July, 2018.

My Commission expires September 19, 2023.



NOTARY PUBLIC 

Purchasing Affidavit (Revised 01/19/2018)



July 12, 2018

West Virginia Purchasing Division
2019 Kanawha Blvd., East
Charleston, WV 25305

Attn: Mr. Guy Nisbet

RE: CEO1 1400 AGR1800000004
WVDA Lab Engineering/Evaluation Assessment Project

Dear Mr. Nisbet,

Alpha Associates, Incorporated team is pleased to submit our qualifications to provide architectural and engineering services for the Laboratory Engineering/Evaluation Assessment Project for the current Animal Health and Regulatory and Environmental Affairs Laboratories. Alpha's past experience with similar projects, and our experience with the State of West Virginia make us a perfect teaming partner for you on your completion project.

Over the past 49 years Alpha has provided quality architectural and engineering services to various clients, both public and private, throughout the state. Our relevant project experience includes the design and construction of a variety of laboratory spaces including the High-Bay Alfred Galli Laboratory in the WVU Engineering Sciences Building, numerous lab spaces for the WVU Robert C. Byrd Health Sciences Center, the South Agriculture Sciences Building as well as the Hazel Ruby McQuain Equine Education and Research Center at WVU. Additional information for these projects and more are included in the "Related Experience" section of this proposal.

DESIGN TEAM

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown and Martinsburg. Your project will be managed and produced out of our Morgantown Office. The majority of the services required to complete your project are in-house services at Alpha. We provide architectural design, civil and structural engineering, surveying, interior

design and landscape design services. Alpha can complete all aspects of this project from planning through design and construction. We have a significant advantage by having Architects, Structural engineers and Civil Engineers under the same roof. On a project of this type close consultation is required to provide a seamless project for you. Our design experience with other similar facilities will be an added benefit to you throughout this project.

PROJECT UNDERSTANDING

The General Services Division is looking to partner with a firm for a laboratory engineering evaluation and assessment of existing plans for renovations of up to four existing sites, as well as a new laboratory build for the current Animal Health and Regulatory and Environmental Affairs Laboratories which will be Phase I. Phase II involves site plans as well as architectural design which will meet the physical needs and requirements of the laboratories that will be developed. Alpha will also provide inspection and guidance during the construction process to help ensure that all structural and functional needs are met.

SUMMARY

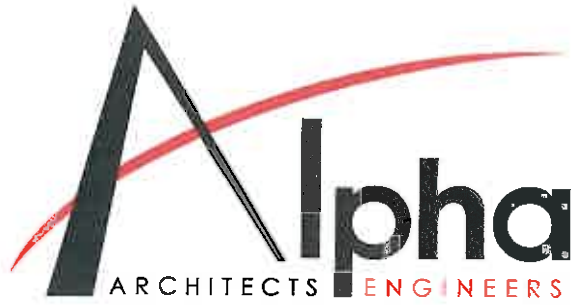
Alpha Associates, Inc. is committed to providing the General Services Division with a team that surpasses every expectation. We will work closely with the GSD to meet the needs of the project as well as ensure this project is completed in a timely, cost effective manner with minimal complications or interruptions. We look forward to further discussing our qualifications with you soon. If you have any questions, please contact me at (304)296-8216 ext. 102.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED



Richard A. Colebank, PE, PS
President and COO
rick.colebank@thinkalphafirst.com



FIRM PROFILE

Firm Profile

FIRM NAME

Alpha Associates, Incorporated

OFFICE LOCATIONS

209 Prairie Avenue
Morgantown, West Virginia 26501

535 West King Street
Martinsburg, West Virginia 25401

INCORPORATED

1969; Morgantown, WV

FIRM PRINCIPALS

Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
Charles B. Luttrell, PE; Principal
Charles B. Branch, PE; Principal

NUMBER OF EMPLOYEES

22 Employees

SERVICES

Architectural Design
Civil Engineering
Structural Engineering
Surveying
Interior Design
Landscape Architecture
Construction Administration



Alpha Associates, Incorporated was established in 1969 and since that time has completed hundreds of projects throughout Morgantown and the state of West Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.



STATEMENT OF QUALIFICATIONS

Alpha Associates, Incorporated is a West Virginia-based architectural and engineering design firm that provides services in the areas of architectural design, interior design, construction administration, civil engineering, structural engineering, landscape design, project management, and surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technical tools, dedicated principals and highly skilled staff members.

Since 1969, Alpha has provided architectural and engineering design services on numerous projects for the State of West Virginia. Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do whatever is necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, works towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will provide frequent updates on the project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of 22 architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

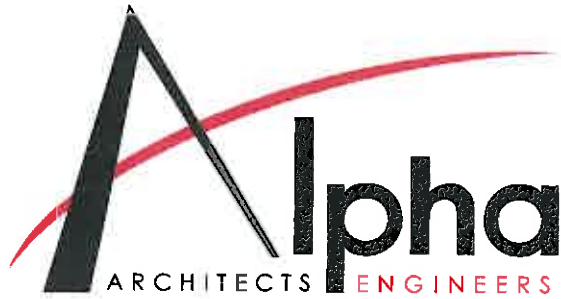
Alpha has thrived for 49 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.



STAFFING PLAN

All work to be performed for the West Virginia Department of Agriculture will be managed out of Alpha's Morgantown office. In addition to your dedicated Project Team, Alpha's staff of 22 includes engineers, surveyors, architects, architectural designers, interior designers, landscape designers, technicians, and support staff that are available to assist with any potential project need.





PROJECT MANAGEMENT AND QUALITY CONTROL

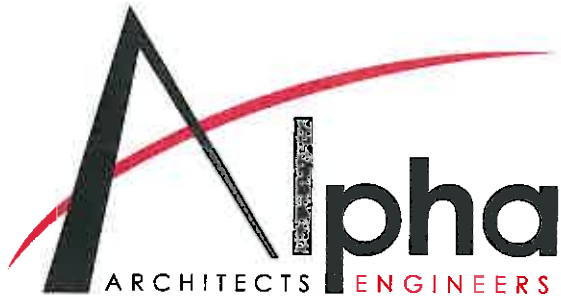
Alpha Associates, Incorporated is an Architecture and Engineering firm that provides services in the areas of Architecture, Structural Engineering, Civil Engineering, Surveying, Construction Administration, and Project Management. Alpha's architects and engineers have recent, relevant project experience that enables your project to be completed on time and within budget.

Alpha is a principal driven company with a staff that is large enough to handle any size project, yet small enough to provide the personal detail and supervision to successfully complete your project. We are available to you long after the completion of your project. Our staff is committed to working with an established project time frame and budget.

Alpha works under a project management system wherein each project is assigned a project manager and a principal of the firm. Internal bi-weekly project management meetings serve as a tool to discuss the preceding weeks' activities, planned activities, project budgets, and estimated time schedules and personnel utilization. Adherence to this process helps to insure that a client's concerns are addressed in a timely fashion aiding in the delivery of a successful project.

Prior to releasing projects for bidding, each project receives a Principal's review. The Principal-in-Charge of the project and the Project Manager conduct the review, which involves a complete evaluation of all internally produced and consultant produced construction documents. Alpha's construction administration staff performs a second assessment to examine constructability and coordination issues from the perspective of the construction field staff.

In addition to project management meetings, design principals have weekly team meetings to review all project schedules and all personnel utilization resulting in the overall best use of personnel in order to complete all projects on time. Your project benefits from the unique combination of convenient access, extensive experience, key owner/principal commitment, and a competitive price structure. Select Alpha Associates, Incorporated for a well coordinated, timely and high quality project.



COST AND SCHEDULE CONTROL

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many A/E firms can claim the same successes few actually achieve the results Alpha has over the years. One of the determining factor is the tools the firms utilize to produce the budgets. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

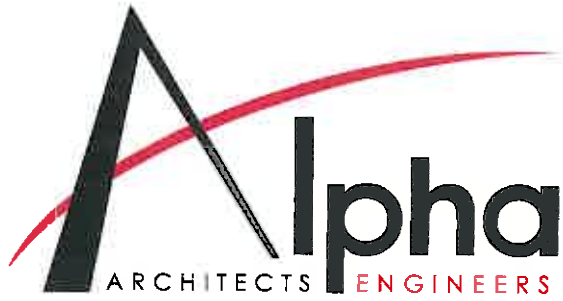
A project schedule is a dynamic, ever changing entity. Your project schedule depends on many factors including:

- Personnel assigned to the project
- Chosen method of construction
- Changes to project scope
- Unique construction elements for each project

Successful project management depends upon consensus regarding work efforts, milestones and goals. The Alpha team has found that the development of detailed work plans, which delineate tasks and deliverables for each project phase, in concert with the client and full project team, is the most effective means of establishing expectations regarding the efforts required by the respective disciplines. In addition to guiding the efforts of the design team, the work plan sets forth specific time frames and decision points for Owner and user reviews, comments and approvals. Adherence to the schedule is the responsibility of the Project Manager. The Project Manager must insure the team members, including the owner have bought into the schedule and are maintaining their respective duties.

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects. Characteristic of the client, its organization, or the involvement of a construction manager and his responsibility for document review must also be considered.

This starts with a kick-off meeting which establishes ground rules, responsibilities, and line of communication. We have found that a team visioning session is a



great way to get everyone started off on the right track.

Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved.

In a world where "time is money", the schedule of a project is almost as important as controlling the cost. Alpha also works diligently to control the budget of a project. The best way to control the cost of a project is to avoid the "scope creep" that can occur

Alpha also has an excellent record of budget control. Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area enable us to develop accurate estimates early in the design process. The Alpha estimators begin at the schematic design phase of the project and develop a line item estimate of probable construction costs that can be carried through each of the project phases. At each phase the project estimate is updated to include a more detailed estimate in order that the accuracy can be enhanced. During these updated estimates, specific increases or decreasing can be identified allowing the owner to make informed decisions moving forward on the important budget issues for the project.

Many projects employ the use of alternatives' to control the budget through obtaining actual contractor pricing during the bid process. This allows flexibility for the owner in determining the costs of portions of the project that may be optional and critical for budget control.



RESOURCES AND SOFTWARE

Resources

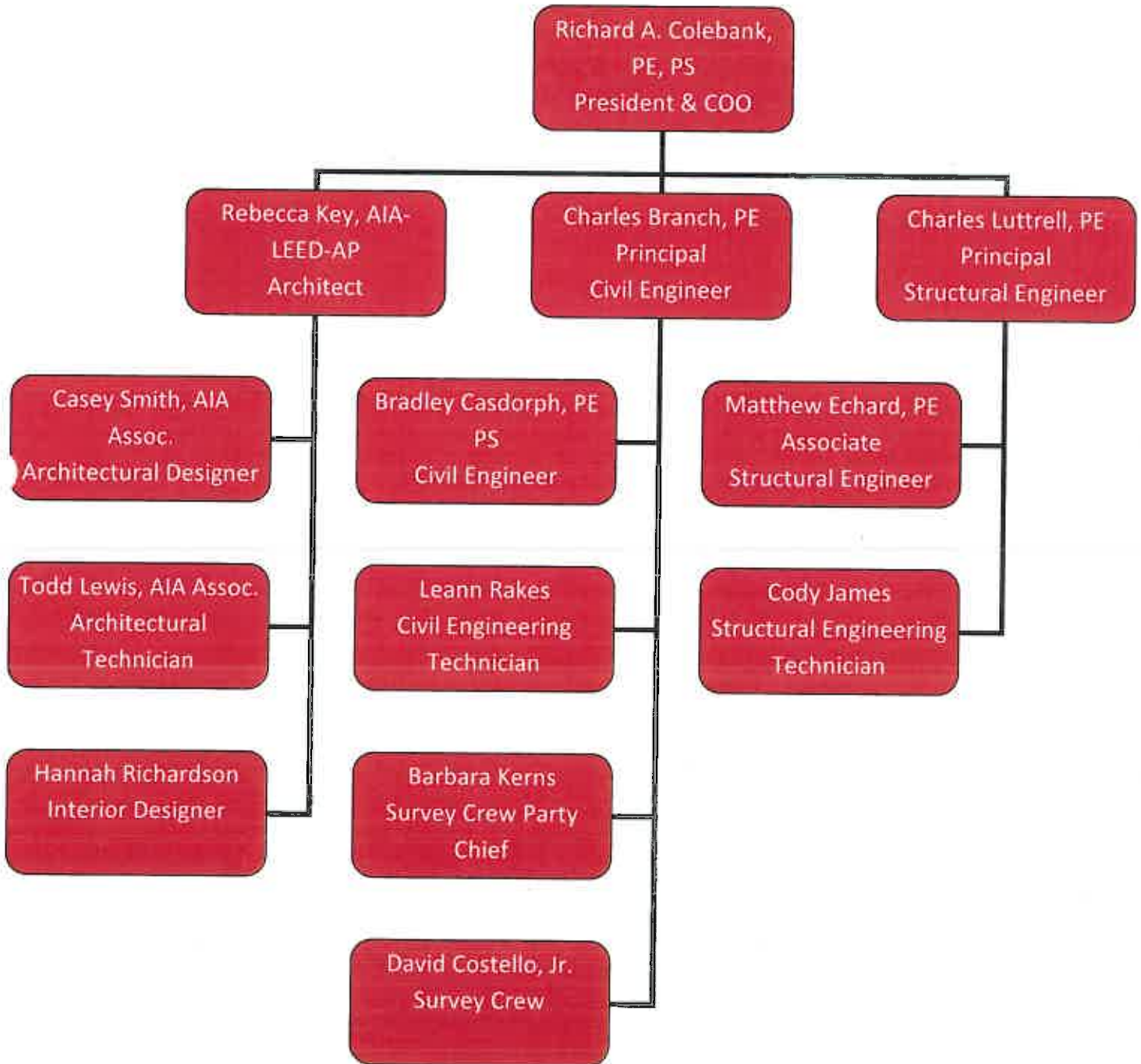
Alpha Associates, Incorporated is prepared to commit staff resources to the West Virginia Department of Agriculture. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this Project. We are confident in our ability to provide you with a committed, dependable, and cohesive team.

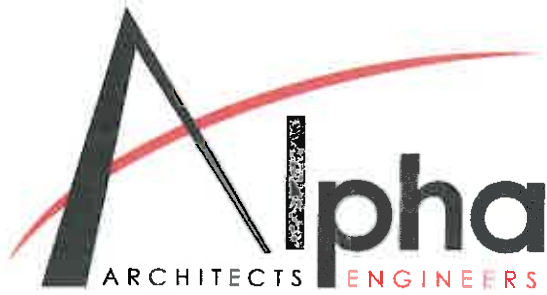
Software

The project team incorporates the latest computer and software capabilities required to complete the working drawings and specifications for this project. Our cost accounting system is top-of-the-line and we have the ability to differentiate fees according to task. We have secure e-mail and internet capability to allow efficient transfer of information between Alpha and the client. We currently have the latest editions of the following software:

- AutoCAD 18
- REVIT
- Civil 3D
- RISA 3D
- RISA Floor
- RISA Foundation
- MathCAD
- Autodesk Suite
- Enercalc
- AutoTURN

TEAM ORGANIZATION





ALPHA RESUMES

SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. He has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as WVU, City of Morgantown, WVDOH, WVU Foundation, and the Morgantown Municipal Airport, as well as numerous other public and private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of the Civil Engineering projects developed at Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day to day operations of the company while continuing to manage projects.



Richard A. Colebank, PE, PS | President and COO

PROFILE

Broad-based responsibilities in the following areas:

- Project Management
- Business Operations and Financial Management
- Quality Assurance/Quality Control
- Civil Engineering Project Management and Design
- New Business Development
- Expert Testimony and Investigation

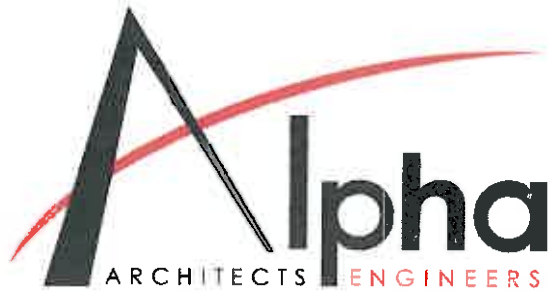
PROFESSIONAL HIGHLIGHTS

Project Manager:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prisons Hazelton Medium Security Prison
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- North Fork Hughes River Recreation Facilities; Ritchie County, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- West Virginia State Office Building; Clarksburg, WV
- WVU College of Physical Education and Sports Science/Student Health Center; Morgantown, WV

Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract
- West Virginia Division of Highways Open End Contract
- National Energy Technology Laboratories Open End Contract
- West Virginia University Open End Contract
- United States Postal Service Open End Contract



ALPHA RESUMES

Richard A. Colebank, PE, PS | President and COO

EMPLOYMENT HISTORY

1985 – Current	Alpha Associates, Incorporated
1983-1985	Charles Townes and Associates, P.C.
1983	US Army Corps of Engineers

EDUCATION

West Virginia University
 Masters of Business Administration; 1999
 Bachelor - Civil Engineering; 1982

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia
- Professional Surveyor: West Virginia
- Certified Private Pilot

AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- American Red Cross - Regional Chairman
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- WVU College of Civil and Environmental Engineering Visiting Committee
- WVU College of Business and Economics MBA Advisory Committee

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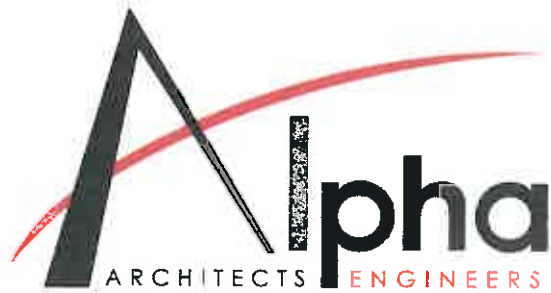
Contact

Richard A. Colebank

304.296.8216

800.640.8216

rick.colebank@thinkalphafirst.com



ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.



PROFILE

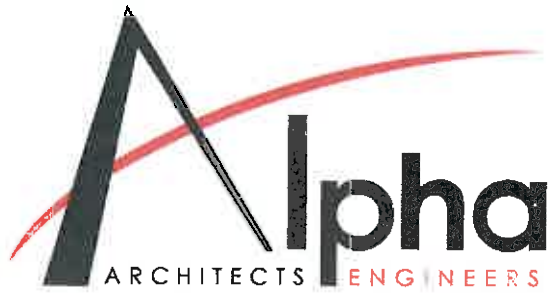
Broad-based responsibilities in the following areas:

- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer System Design
- Storm Water Management
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Civil Engineer/Project Manager:

- Jane Lew Truck Stop; Jane Lew, WV
- Clarksburg State Office Building; Clarksburg, WV
- WVU Reedsville Farm Redevelopment; Morgantown, WV
- Freedom Automotive Group Dealerships; Morgantown, WV
- Freedom Kia; Clarksburg, WV
- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOT I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV



ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

EMPLOYMENT HISTORY

1992 – Current Alpha Associates, Incorporated
1988-1992 Reimer, Muegge, & Associates, Inc.

EDUCATION

West Virginia University
Bachelor - Civil Engineering; 2000
Fairmont State College
Bachelor Architectural Engineering Technology; 1988

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers

think  first.com

Contact

Charles B. Branch

304.296.8216

800.640.8216

chuck.branch@thinkalphafirst.com



ALPHA RESUMES

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold formed steel decks has been made a permanent part of the Steel Deck Institute's design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the WVU Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications.



Charles B. Luttrell, PE | Principal, Structural Engineer

PROFILE

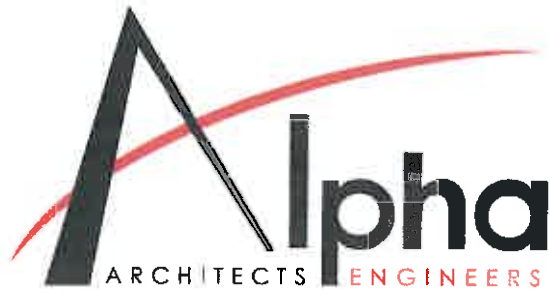
Broad-based responsibilities in the following areas:

- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

- Freedom Automotive Group 3 Dealerships; Morgantown, WV
- Hazel Ruby McQuain Equine Education & Resource Center; WVU
- WVDOH Arnettsville Replacement Bridge; Morgantown, WV
- Clarksburg State Office Building; Morgantown, WV
- Grant County Bank Addition & Renovation; Petersburg, WV
- South Berkeley Fire Station; Inwood, WV
- Alumni Center Structural Framing and Foundation; WVU
- Engineering Science Building, East Wing Addition, WVU
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Structural Inspection; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV
- Alderson Broaddus College, Rex Pyles Arena Deck; Philippi, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Salem International Building Inspections; Salem, WV
- Monongalia County Sheriff's Building; Morgantown, WV
- South High Street Bridge, Morgantown, WV
- Ices Ferry Bridge, Morgantown, WV



ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

EMPLOYMENT HISTORY

- 1996 – Current Alpha Associates, Incorporated
- 1995-1996 Larry D. Luttrell, PE, Ph D
- 1991-1994 West Virginia University
- 1990-1991 WVU Constructed Facilities Center

EDUCATION

- West Virginia University
- Masters - Structural Engineering; 1995
- Bachelor - Civil Engineering; 1993

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Pennsylvania

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Chi Epsilon; Member
- American Concrete Institute; Member

Research Experience

- Cold Formed Steel Deck Research
 - ✓ Fastener Failures
 - ✓ Edge conditions/failures
 - ✓ Buttoned overlap shear failures
- Composite Cold Formed Steel and Concrete Deck Research
 - ✓ Line load behavior/failures
 - ✓ Concentrated load behavior/failures
 - ✓ Web crippling
 - ✓ Punch failures

think  first.com

Contact

Charles B. Luttrell
304.296.8216
800.640.8216

charlie.luttrell@thinkalphafirst.com



ALPHA RESUMES

SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She serves as Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Incorporated. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration. Having been with Alpha since 2000, Ms. Key has provided design services on numerous projects that have contributed to the ever-growing skyline of Morgantown, Charleston, Bridgeport, and other areas around the state.

Rebecca Key, AIA, LEED-AP | Architect, Associate



PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Interior Design and Space Planning
- Feasibility Studies
- Water Infiltration Analysis
- Interior Space Planning
- Historic Renovation
- Project Management

PROFESSIONAL HIGHLIGHTS

Education

- Ridgedale Elementary; Morgantown, WV
- Mountaineer Middle School; Morgantown, WV
- Pineville Elementary; Pineville, WV
- Huff Consolidated School; Hanover, WV

Historic Renovations

- Cass Scenic Railroad - Clubhouse Renovation; Cass, WV
- Berkeley Springs Bathhouse; Berkeley Springs, WV
- Hawks Nest State Park Picnic Pavilion; Anstead, WV
- Hawks Nest State Park CCC Museum; Anstead, WV

Recreation

- Ruby McQuain Amphitheater; Morgantown, WV
- North Fork Hughes River State Park; Ritchie County, WV

Dormitory and Multi-Family

- Fairmont State University Prichard Hall Renovation; Fairmont, WV
- WVU Boreman Hall; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Grand Central Apartment

Municipal & State Government

- WV State Office Building; Clarksburg, WV
- Mon County Family Court Renovation; Morgantown, WV
- Mon County Sheriff's Department; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- WV State Office Building; Parkersburg, WV



ALPHA RESUMES

Rebecca Key, AIA, LEED-AP | Architect, Associate



EMPLOYMENT HISTORY

2000 – Current	Alpha Associates, Incorporated
1983-1999	Alexander Key and Associates
1978-1983	Webster Clothes; Director of Store Planning

EDUCATION

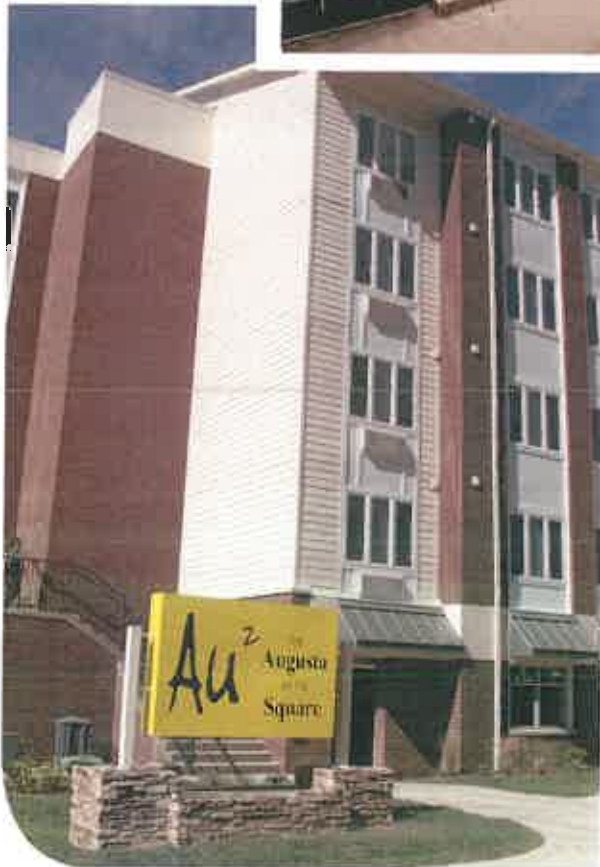
University of Maryland
 Bachelor of Architecture; 1977
 Maryland Institute College of Art
 Coursework in Furniture Design; 1986-1987

QUALIFICATIONS

- **License:** Registered Architect; West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ Certified (Interior Design)
- Leadership In Energy and Environmental Design Accredited Professional
- Meet Standards of Secretary of the Interior for historic architecture

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce
- Leadership Kanawha Valley Class of 2014



think  first.com

Contact

Rebecca Key
 304.296.8216
 800.640.8216

rebecca.key@thinkalphafirst.com



ALPHA RESUMES

Bradley Casdorff, PE, PS | Civil Engineer

SUMMARY

Mr. Casdorff joined the Alpha Associates, Incorporated team in 2004 and currently works as a project engineer in the Morgantown office. He has 36 years of professional experience with roadway design, storm sewer design, airport airside renovation and design, storm water management including conveyance and detention, environmental permitting, project administration supervision and inspection, as well as boundary and construction surveying.



PROFILE

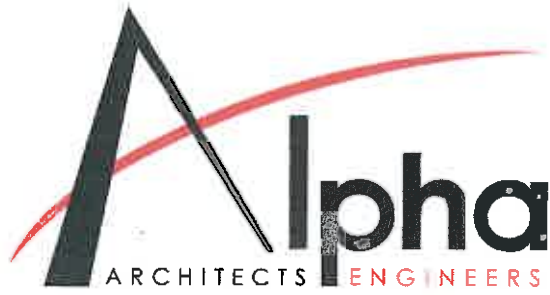
Broad-based responsibilities in the following areas:

- Airport Planning and Design
- Highway Design
- Hydraulic and Hydrology Studies
- Site Plan Development
- Land Surveying

PROFESSIONAL HIGHLIGHTS

Civil Engineering:

- Platinum Properties - Waterfront Conference Center; Morgantown, WV
- Hart Field - Runway Safety Area; Morgantown, WV
- Hart Field - Ramp Renovation and Deicing Facility; Morgantown, WV
- Hart Field - Signage and Lighting; Morgantown, WV
- Hart Field - Airport Certification Manual; Morgantown, WV
- Hart Field - Air Rescue and Fire Fighting Vehicle Procurement, WV
- WVU - Lot 81 Parking Area Improvements; Morgantown, WV
- WVU Animal Facilities Annex, Engineering Retrofit; Morgantown, WV
- McKee Crossing - 120 Acre Subdivision; Martinsburg, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Davisson Estates - 60 Acre Subdivision; Morgantown, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Applebee's Restaurant, Site Plan; Morgantown, WV
- WVU CPASS/Student Health; Morgantown, WV
- WVU Research Park- 100 Acre ALTA/ACSM Survey; Morgantown, WV
- WVU Museum; Morgantown, WV



ALPHA RESUMES

Bradley Casdorph, PE, PS | Civil Engineer

EMPLOYMENT HISTORY

2004 – Current Alpha Associates, Incorporated
1979-2004 Triad Engineering, Incorporated

EDUCATION

West Virginia University
Masters - Soil Conditions and Foundation Design; 1982
Bachelor - Civil Engineering; 1979

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia
Professional Surveyor: West Virginia
Certified Private Pilot

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- WVSPS - Mountain Regional Chapter; President
- Aircraft Owners and Pilots Association; Member



think  first.com

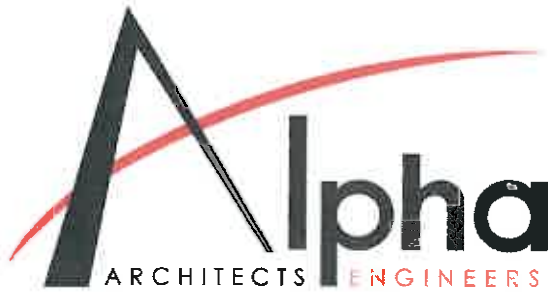
Contact

Bradley Casdorph

304.296.8216

800.640.8216

brad.casdorph@thinkalphafirst.com



ALPHA RESUMES

Matthew T. Echard, PE | Structural Engineer, Associate

SUMMARY

Mr. Echard joined Alpha Associates, Inc. in early 2016 with a strong belief that his clients deserve intelligent, performance-based and value-oriented solutions. Drawing on experience working across the United States, Europe, and the Middle East, Mr. Echard returned to West Virginia to provide world-class service in a historically underserved region while making positive contributions to the future growth of his home state. Mr. Echard places a large value on the collaborative work process, believing that a building's form and function are derived from many contexts. Mr. Echard's office is located in the corporate office in Morgantown, WV.

EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

EDUCATION

Massachusetts Institute of Technology
Masters - Engineering & Environmental Mechanics 2002
West Virginia University
Bachelors of Science - Civil Engineering 2000

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

AFFILIATIONS

American Concrete Institute (ACI)
American Institute of Steel Construction (AISC)
American Society of Civil Engineers (ASCE)
American Wood Council (AWC)

PROFILE

Broad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

PROFESSIONAL HIGHLIGHTS

Structural Engineering:

- Grant County Bank; Petersburg, WV
- WVDOH Arnettsville Bridge Replacement; Monongalia County, WV
- WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV
- Jane Lew Truck Stop; Jane Lew, WV
- Queen Street Underpass; Martinsburg, WV
- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Weyerhaeuser OSB Facilities Alterations; Heaters, WV
- Weyerhaeuser Hazardous Material Transfer Encloser; Heaters, WV
- Mapletown High School Elevator; Mapletown, PA
- KnauF Insulation Melter Line Structural Supports ; Inwood, WV
- KnauF Insulation Cooling Tower & Heat Exchanger Structure & Foundations; Inwood, WV
- 57 Middleway Pike Commercial Building; Inwood, WV
- GrafTech Furnace Structural Assessment; Grafton, WV
- FedEx Distribution Facility Structural Damage Assessment; Morgantown, WV
- Los Mariachis UTC; Morgantown, WV



ALPHA RESUMES

Matthew T. Echard, PE | Structural Engineer

EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

EDUCATION

Massachusetts Institute of Technology
 Masters - Engineering & Environmental Mechanics 2002
 West Virginia University
 Bachelors of Science - Civil Engineering 2000

QUALIFICATIONS

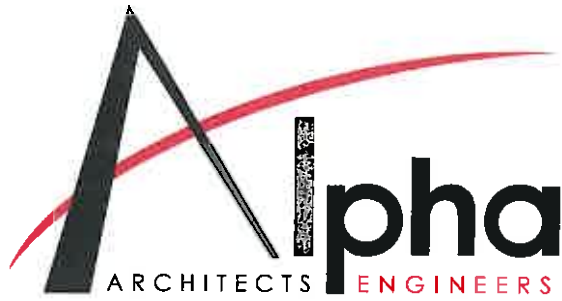
- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

AFFILIATIONS

American Concrete Institute (ACI)
 American Institute of Steel Construction (AISC)
 American Society of Civil Engineers (ASCE)
 American Wood Council (AWC)

Publications

- Echard, M. and Tonis, D. Convergent Design Methodology for Bio-Science Labs: Architectonic and Performative Structural Considerations Using the Geillinger Composite Column Solution. Proceedings of ICSEA2010 - First International Conference on Structures and Architecture Guimarães, Portugal, July 2010, Taylor & Francis.
- Echard, M. Structural Analysis and Design Within a BIM Framework. EASEC 10 - East Asia Structural Conference, Bangkok, Thailand, August 2006.



SURVEYING EXPERIENCE

Alpha's surveyors offer a full range of surveying services including:

- ALTA Survey
- Boundary Survey
- Construction Stakeout
- GPS Control Survey
- Elevation or Floodplain Survey
- Site Plan Survey
- Mortgage Inspections
- Subdivision Survey
- Topographic Survey
- Drone Mapping



Surveying services are included in the majority of Alpha's projects. Below is a sample of Alpha's surveying experience:

Laser Scanning I-Beam at Fort Martin Power Plant, Morgantown, WV

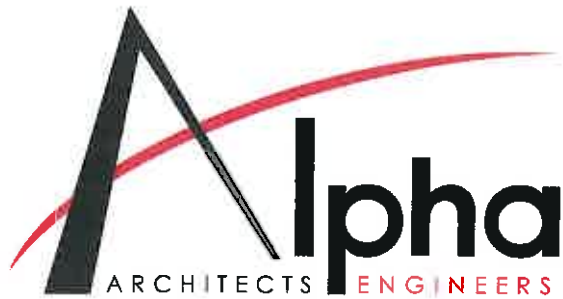
The project consisted of 3-D Laser Scanning and modeling for portions of the Fort Martin Power Plant owned by Allegheny Energy, located in Fort Martin, WV. High Accuracy Survey Control was initially set to provide quality assurance for this project. The project required the surveyors to perform elevated scanning operations on platforms on elevation floors. The project was needed for the design of a duct system that was to be designed around existing I-beams and chimney structures.

West Virginia Department of Highways, Ranson, WV

Alpha Associates, Incorporated provided surveying services for HNTB Corporation consisting of providing construction stakeout for the centerline of proposed roadway. Linear footage of centerline to be staked was approximately 6100.00 feet. Project included the use of conventional surveying procedures as well as GPS.

West Virginia Department of Highways, Morgantown, WV

Alpha Associates, Incorporated provided surveying services for the design and replacement of the Ice's Ferry Bridge across Cheat Lake. Project included the



use of conventional surveying procedures as well as GPS for locating existing structures, setting control points and providing topographic information on existing features at each end of bridge. Work also included mapping of the lake bottom.

Borehole Location and Control Plant Survey, Morgantown, WV

Alpha Associates, Incorporated provided surveying services for the locating of various boreholes near Runway 5/23 at the Morgantown Municipal Airport prior to the design and construction of a new National Guard Facility. The procedure for this project primarily included RTK GPS and was facilitated with conventional surveying.

Stone Wall Survey on Holland Avenue Western Right-of-Way, Morgantown, WV

Alpha Associates, Incorporated performed a conventional survey to locate the physical location of a wall for the City of Westover, WV. Survey shots were taken at the bottom face of the wall, front face of the wall and at the top back edge. This allowed for three dimensional poly-lines that represented different feature lines of the wall to be created for the final drawing. The survey was for the study of accurately locating the face of wall which had been determined to be the property line of the city's property and the right-of-way limit for the WVDOH.

WVU Rawley Avenue Steam Pipe Construction, Morgantown, WV

Alpha Associates, Incorporated performed research, reconnaissance, and site condition survey along Rawley Avenue near the intersection of Oakland Street for the purpose of creating a plat of easement for the construction of a steam line and electrical duct bank by WVU. The area to be surveyed encompassed approximately 1400.00 square feet. Alpha then performed analysis of survey data acquired and prepared and easement plat and legal description of area within the right-of-way of Rawley Avenue.

Marsteller Boundary Survey, Morgantown, WV

Alpha Associates, Incorporated performed this project in two phases.

Phase 1-Performed reconnaissance, and a boundary survey of the subject property, including all necessary research required. Acquired appropriate right-of-way plans from the WV Department of Highways for the evaluation of existing right-of-way for WV Route 57 also known as Collins Ferry Road. Acquired appropriate right-of-way plans from the WV Rail Trail for the evaluation of



existing right-of-way for the "rail trail" formerly the right-of-way owned by the Baltimore and Ohio Railroad Company. Alpha also performed analysis of survey data acquired and the required drafting to prepare a preliminary plat and legal description of said property. Details provided to Client for discussion concerning conceptual boundary line locations along the right-of-ways.

Phase 2 – Set necessary monuments. Located any additional evidence deemed necessary and processed additional information. Alpha prepared a signed, sealed recordable plat and legal description that met the WV Minimum Standards for Land Boundary Surveying. Recorded plat with the Monongalia County Clerk of Court for the Client.

Stakeout of Service Road Centerline and Storm Drain Pipes for Fort Martin Power Plant, Morgantown, WV

Alpha Associates, Incorporated provided surveying services for stakeout of the road known as the Service Road adjacent to the proposed limestone conveyor. The centerline was staked out on fifty foot stations from the point of beginning to the point of end. Alpha also staked out two alignments for storm drainage pipe and structures. One alignment was for 110 feet of pipe and the second alignment was for 60 feet to include headwall location.

Stakeout of Clearing and Grubbing Limits for Limestone Conveyor System for Fort Martin Power Plant, Morgantown, WV

Alpha Associates, Incorporated provided surveying services for the stakeout of the disturbance limits for the clearing and grubbing procedures for the limestone conveyor system. In addition to staking out the limits of disturbance Alpha staked out offset points to the left and right of each proposed bent location of the conveyor system centerline.



ALPHA EXPERIENCE

Laboratory Experience | Since 1969

Laboratory Case Studies

WVU Robert C. Byrd Health Sciences Center
Morgantown, WV

When our firm began in 1969, WVU Health Sciences Center was one of our first clients. Since that time we have completed nearly one million square feet of design services including numerous laboratories. Some of those projects include:

- Betty Puskar Breast Care Center
- Same Day Care Unit
- Dental Clinic
- Family Clinic
- MRI Support Facility
- Cranial Laboratory
- Vivarium Laboratory
- Physiology Laboratory
- Orthopedic Laboratory
- Micro-Pathology Laboratory
- Mass Spectrometer Laboratory
- Animal Quarter's Laboratory
- Pathology Laboratory
- Otolaryngology Laboratory
- Pharmacology Laboratory
- Biochemistry Laboratory
- Simulation Laboratory
- Neurosurgery Laboratory

Project Contact:

Leonard Lewis

Po Box 9004

Morgantown, WV 26506

304-293-6924

At a Glance

CLIENT: West Virginia University
RCB HSC

LOCATION: Morgantown, WV

COMPLETION DATE: Multiple Projects

SIZE: Multiple Projects

CONSTRUCTION COST: Multiple Projects





ALPHA EXPERIENCE

Hazel Ruby McQuain Equine Education & Research Center

est. 2017

Engineering Case Study

WVU Reedsville Farm Redevelopment
Reedsville, WV

The West Virginia University Reedsville Farm is operated by the WVU Davis College partnered with WVU Extension Services and is home to the Extension Service Equine Arena. Alpha is the lead architect and project engineer for this project, partnering with POPULOUS, world-renowned in equine facilities to assist with design.

The goal of this project was to redevelop the farm as the Hazel Ruby McQuain Equine Education & Research Center with state-of-the-art facilities to increase student and stakeholder opportunities, enabling the equine studies program to flourish.

The project included:

- Design of a new gateway to improve appearance and identity along main road
- Addressing site and infrastructure issues
- Elevate and improve existing outdoor arena
- Design a new 11,500 sq. ft. Multipurpose Building
- Design a new 8,200 sq ft. Education & Research Center with dormitory rooms and facilities', offices, and classrooms
- Construct new Welcome/Honor/Gathering Plaza with vertical tower element incorporating donor plaques
- Master Planning which includes future horse barn, expanded multipurpose building, pasture improvements, RV Hookups, maintenance facilities, and further renovation of existing facilities

Project Contact:

Scott Owen

979 Rawley Lane

PO Box 6572

Morgantown, WV 26506

304-290-6613

At a Glance

CLIENT: WVU

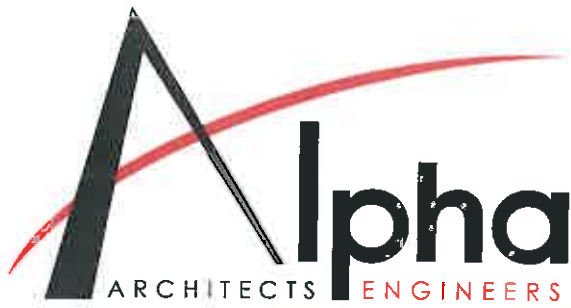
LOCATION: Morgantown, WV

COMPLETION DATE: 2017

SIZE: 8.5 acres

CONSTRUCTION COST: \$6.5 Million

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ALPHA EXPERIENCE

South Agricultural Sciences Building | 2005

Educational Case Study

WVU -South Agricultural Sciences Building
Morgantown, WV

Alpha provided architectural and engineering design services for a two-story addition to the south side of the WVU Agricultural Sciences Building. The addition included a large 250 seat, multi-tier general purpose lecture lab, 7 research labs, 2 teaching labs, 12 faculty offices, a greenhouse, assorted support rooms, and an unfinished shell space for future expansion, all within 40,000 square feet.

The expediency of the project necessitated a building envelope that was fast and affordable, while at the same time providing a connection with the existing white/gray masonry construction of the 1950's era Agriculture Sciences Building.

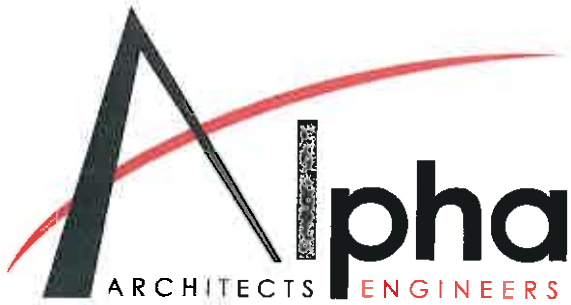
Project Contact:

John Sommers
Po Box 6572
Morgantown, WV 26506
304-293-2856

At a Glance

CLIENT: West Virginia University
LOCATION: Morgantown, WV
COMPLETION DATE: 2005
SIZE: 40,000 Sq. Ft.
CONSTRUCTION COST: \$7.3 Million





ALPHA EXPERIENCE

Alfred Galli Laboratory | 2004

Educational Case Study

WVU - Alfred Galli Laboratory
Morgantown, WV

Alpha provided design services for the renovation of the Alfred Galli Laboratory in the WVU Engineering Sciences Building. This renovation transformed an existing two story Hi-Bay Lab into two floors of research and a smaller Hi-Bay Lab for the College of Engineering. Design also included finish and casework alterations to adjacent spaces. Services included architectural design, civil and structural engineering and construction administration.

Project Contact:

John Sommers

Po Box 6572

Morgantown, WV 26506

304-293-2856

At a Glance

CLIENT: West Virginia University

LOCATION: Morgantown, WV

COMPLETION DATE: 2004

SIZE: 6,650 Sq. Ft.

CONSTRUCTION COST: \$2.3 Million

think  **Alpha** first.com



ALPHA EXPERIENCE

Health Sciences – Cranial Laboratory | 2003

Educational Case Study

**WVU Robert C. Byrd Health Sciences Center
Cranial Laboratory
Morgantown, WV**

Alpha provided architectural design services for this renovation project at the WVU Health Sciences Center. The purpose of this renovation was to create a teaching and research laboratory for students and physicians. The space includes one cranial laboratory, two animal procedure rooms, a storage facility and a locker room.

This unique laboratory space utilized state of the art equipment and casework to serve the needs of the researchers utilizing the space.

Project Contact:

Gary Miller

Po Box 9004

Morgantown, WV 26506

304-293-6924

At a Glance

CLIENT: West Virginia University
RCB HSC

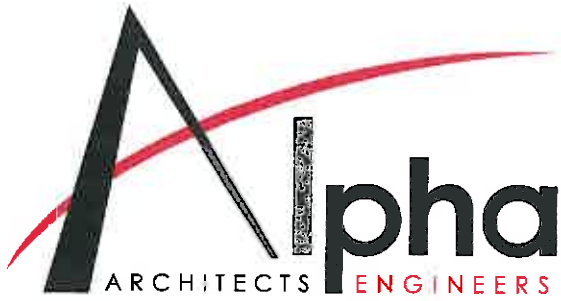
LOCATION: Morgantown, WV

COMPLETION DATE: 2003

SIZE: 2,655 Sq. Ft.

CONSTRUCTION COST: Completed Internally





REFERENCES

Jim King

WV Higher Education Policy Council

1018 Kanawha Boulevard, East, Suite 700
Charleston, WV 25301-2800
304-558-0281 ext. 206

Bill Clark, Executive Director

Region 9 Planning and Development Council

400 West Stephen Street Suite 301
Martinsburg, West Virginia 25401
304-263-1743

David Hildreth

State of West Virginia

1409 Greenbrier Street
Charleston, WV 25305
304-558-0510

Former Mayor Jesse Corley

Town of White Hall

2119 Fairmont Avenue
White Hall, WV 26554
304-367-1687

Damien Davis, City Engineer

City of Morgantown

389 Spruce Street
Morgantown, WV 26505
304-284-7412

"Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha."

J. Paul Walden
West Virginia University

Every aspect and detail of your planning, coordination, and completed projects have been exceptional and outstanding in every regard.

Robert Hammel, Former Director
Morgantown Municipal Airport



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye, That The State Board of Registration for Professional Engineers, of the State of West Virginia, proposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Branch

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify, that, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

to hold, and use, such title, in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 18th day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Eighth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

[Signature]

By Frank D. Godby

[Signatures]



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting

Know Ye That The State Board of Registration for Professional Engineers of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Bradley H. Casdorff

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT

by law hereby certify that he having submitted satisfactory evidence of his ability and experience is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand of the Seal of the Board at the Capital in the City of Charleston, This 29th day of December in the year of our Lord 2005 and of the State the One Hundred Forty-Seventh

Members of the Board

Edward J. Timmons Jr. Richard E. Dignall

Blayne S. Stiles William E. Pevan



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Richard A. Colebank

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by him, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

(To hold) and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the seal of the Board at the Capitol in the City of Charleston, this 21st day of Feb. in the year of our Lord One Thousand Nine Hundred and Eighty-Eight and of the State the One Hundred Twenty-Fourth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Frank Gaddy

Secretary *Wm. P. Fisher* President
Kenneth H. Moore *Robert L. Smith*



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting
"Know Ye" That The State Board of Registration for Professional Engineers
of the State of West Virginia, reposing special confidence in
the Intelligence, Integrity and Discretion of

Matthew T. Richard

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT
by law hereby certify that he having submitted
satisfactory evidence of his ability and experience is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession,
subject to the conditions prescribed by law.



Given under the hand of the
Seal of the Board at the Capitol in the
City of Charleston,
This 17th day of August
in the year of our Lord 2012
and of the State
the One Hundred Forty-Ninth

Members of the Board

James D. Thomas, Jr. Richard E. Dwyer
Bhajan S. Sahja William E. Viers

The Board of Architects



of West Virginia.

No. [REDACTED]

This Certifies that Rebecca Jean Key of Baltimore
in the State of Maryland having successfully passed an examination
before the Board of Architects of the State of West Virginia, and being
otherwise qualified, is hereby authorized to practice Architecture in all its
branches in the State of West Virginia.



Witness the signatures of the President and Secretary of the Board of
Architects of West Virginia and the seal of said Board, this 26th
day of September 1994

[Signature] President.
[Signature] Secretary.



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity, and Discretion of

Charles B. Luttrell

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

By Law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number [redacted]

To hold and use such title in the practice of his profession, subject to the conditions prescribed by law



Given under the hand and the Seal of the Board, at the Capitol in the City of Charleston this 28th day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Handwritten signatures: [Signature 1], [Signature 2], [Signature 3]

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

ALPHA ASSOCIATES, INC.

C00012-00

Engineer in Responsible Charge: RICHARD A COLEBANK - WV PE 010346

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2018 - December 31, 2019

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATES OFFICE
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD

BOARD PRESIDENT